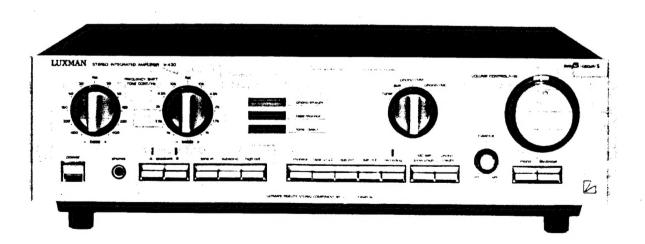
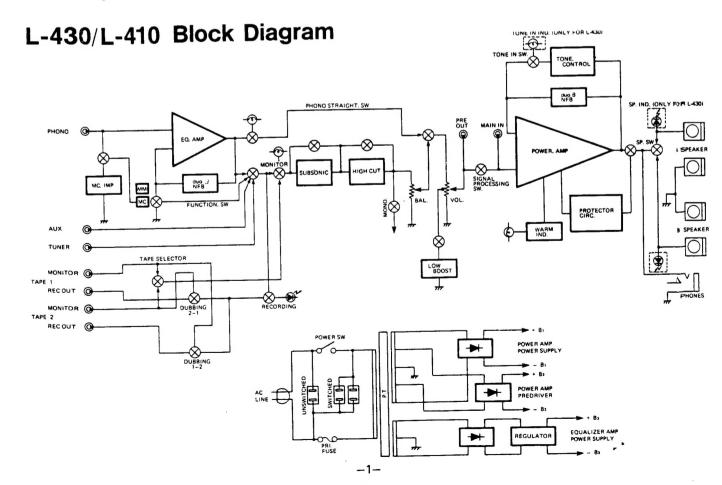


DUO-BETA CIRCUIT STEREO L-430/L-410 INTEGRATED AMPLIFIER

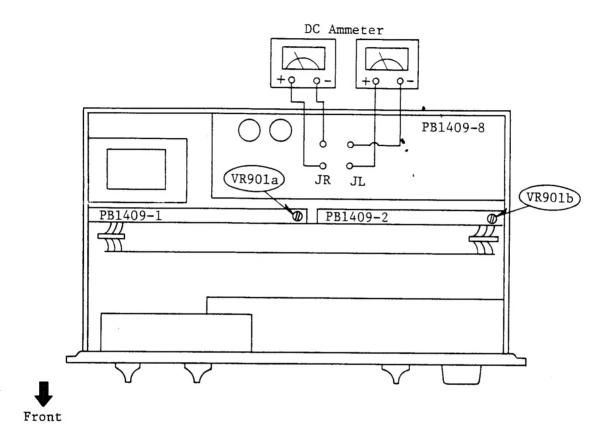


CONTENTS

| | • | | | |
|--------------------------------------|-----|---|----|---|
| Block Diagram | 1 | | | |
| Adjustment Procedures | 2 | | | |
| n .1.1.1 1.77 | | | _ | |
| E1 oded View Parts List | 4 | - | 5 | |
| Packing Material Parts List | Ю | | | |
| PR-1408-1 Parts List | . / | | | |
| PR-1408-2 Parts List | | | | |
| PR-1408-3 Parts List | | | | |
| PB-1408-4 Parts List | | | | |
| PB-1408-5 Parts List | | | • | 3 |
| PR-1408-7 Parta List | | | | |
| PR-1408-8 Parts List | | | | |
| PR-1408-9 Parts List | | | | |
| PR-1408-10 Parts List | | | • | |
| PR-1408-11 Parts List | 10 | | | |
| DR 1/00 12 Parts list | 11 | | | |
| PR-1409A-1.2 Parts List | 11 | - | 12 | |
| PR-1/09A-3 Parts List | 13 | | | |
| DR_1/00A-/ Parts List | 13 | | | |
| DP 1/00A-5 Parts List | 13 | | | |
| DB-1/004-8 Parts List | 14 | _ | 17 | |
| DP 1/10 Parts list | 18 | | | |
| TC Wardling Cuido | 19 | | | |
| Catanatic Diogram I-430 | 20 | - | 21 | |
| Schematic Diagram, L-430 (Japan) | 22 | _ | 23 | |
| Schematic Diagram, L-430 (First Lot) | 24 | _ | 25 | |
| Cabanatia Diagram I-410 | 26 | _ | 27 | |
| Schematic Diagram, L-410 (Japan) | 28 | _ | 29 | |
| Specifications | 30 | | | |
| Shectifications | | | | |

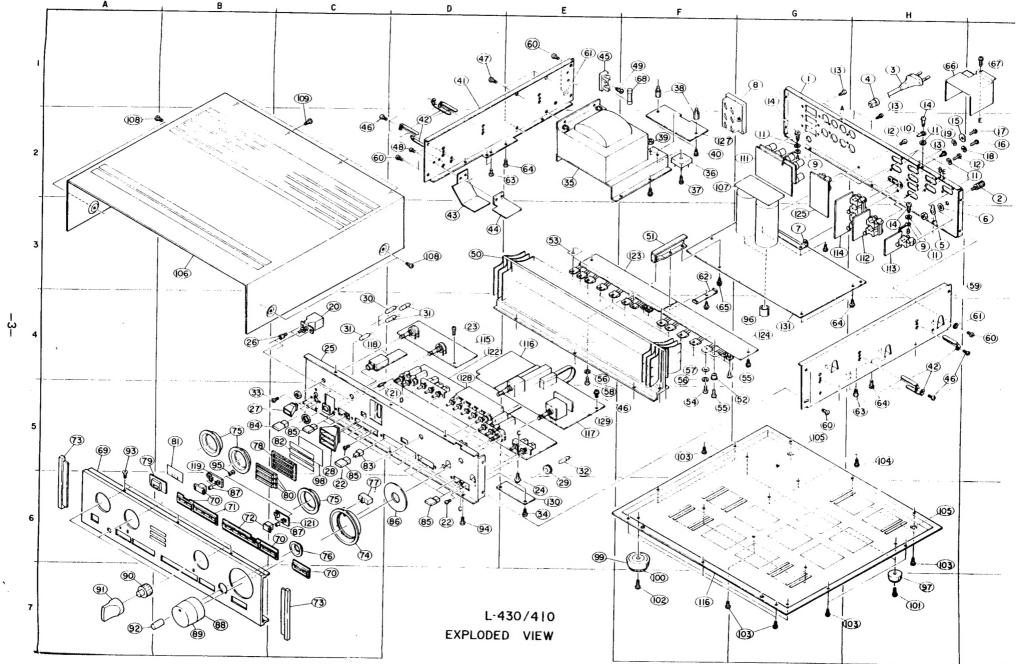


Adjustment Procedures



Bias (Idle) Current Adjustment

- 1. Disconnect the wires on the PB-1409A-8 from the pins (JL & JR).
- Connect an DC Ampere Meter between the pins and wires as shown in the figure. But in that case, make sure each polarity is correct.
- 3. Make the power switch ON and after 3 minutes. Adjust VR901a (L-ch) on the PB-1409A-1 and VR901b (R-ch) on the PB-1409A-2 to make the idling current 60mA+10mA(L-430), 50mA+10mA(L-410).
- 4. Connect the wires to the pins after adjustment.

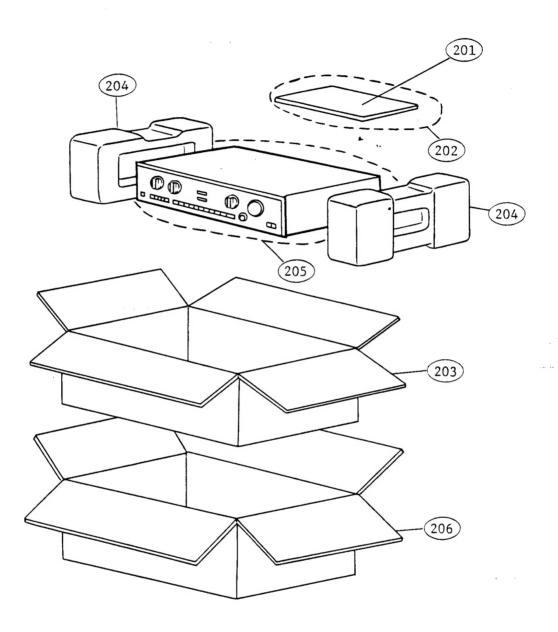


| Index | Symbol | Stock No. | Stock No. | Description |
|---------|--------|-----------|-----------|--|
| | No. | L410 | L430 | |
| G-1 | 1 | UC1220-4 | UC1220-1 | Back Panel (J) |
| | | UC1220-5 | UC1220-2 | Back Panel (E,U) |
| | | UC1220-6 | UC1220-3 | Back Panel (S) |
| I-2 | 2 | AG0048 | AG0048 | GND Terminal |
| H-1 | 3 | BK0022 | BK0022 | AC Cord (SD)(SK) |
| | | BK0023 | BK0023 | AC Cord (SG) |
| | | BK0035 | BK0035 | AC Cord (J) |
| | | BK0036 | BK0036 | AC Cord (SB) |
| | | BK0062 | BK0062 | AC Cord (EK) |
| | | BK0067 | BK0067 | AC Cord (U,EZ) |
| H-1 | 4 | BU0033 | BU0033 | Cord Stopper (EK,EZ,J,SD,U,SK) |
| | | BU0039 | BU0039 | Cord Stopper (SB,SG) |
| H-3 | 5 | YZB060H | YZB060H | Earth Lug |
| I-3 | 6 | YWD060A | YWD060A | Toothed Lock Washer 6¢ |
| G-3 | 7 | UR1316 | UR1316 | Bracket |
| G-1 | 8 | AC0016 | AC0016 | AC Outlet 3P (E,J) |
| | _ | AC0017 | AC0017 | AC Outlet 1P (UP) |
| H-3/G-2 | 9 | YZB030X | YZB030X | Eurth Lug |
| H-2 | 10 | YZB030H | YZBO30H | Eurth Lug B-5 |
| G-2/I-2 | 11 | YWE030S | YWE030S | Toothed Lock Washer 36 |
| H-2/I-2 | 12 | YAA30C06 | YAA30C06 | Bind Scr. M3x6 Blk |
| H-1/G-1 | 13 | YJB30C08 | YJB30C08 | Tpg. Bind Scr. M3x8 B1k |
| H-1/G-1 | 14 | YJB30A06 | YJB30A06 | Tpg. Bind Scr. M3x6 |
| H-2 | 15 | WZ0070 | WZ0070 | Changeover Disk |
| I-2 | 16 | YAA26C04 | YAA26C04 | Bind Scr. M2.6x4 |
| I-2 | 17 | YAA26C06 | YAA26C06 | Bind Scr. M2.6x6 |
| 1-2 | 18 | YWE026S | YWE026S | Toothed Lock Washer |
| H-2 | 19 | YWA030U | YWA030U | Nylon Washer |
| C-4 | 20 | SP0032 | SP0032 | Power SW (U) |
| | | SP0090 | SP0090 | Power SW (E,S) |
| | | SP0172 | SP0172 | Power SW (J) |
| D-5 | 21 | US0003 | US0003 | Stand, PCB |
| D-6/C-6 | 22 | YAA30A06 | YAA30A06 | Bind Scr. M3x6 |
| D-4 | 23 | YJB30A06 | YJB30A06 | Tpg. Bind Scr. M3x6 |
| E-6 | 24 | YEB30A06 | YEB30A06 | Sems Bind Scr. M3x6 |
| C-4 | 25 | UB1079 | UB1079 | Sub Panel |
| B-4 | 26 | US1068 | US1068 | Stand 1068 |
| B-5 | 27 | UN1049 | UN1049 | Lamp Holder |
| C-5 | 28 | UN1050 | UN1050 | Lamp Holder |
| | | WU1035 | WU1035 | Filter |
| E-6 | 29 | UZ1077 | UZ1077 | Gum Bush |
| C-4 | 30 | AL0072 | AL0072 | Lamp 24V 40mA Phone Straight |
| D-4/C-4 | 31 | AL0073 | AL0073 | Lamp 24V 40mA Tone Direct/Tape monitor/Warm UP |
| E-5 | 32 | AL0074 | AL0074 | Lamp 24V 40mA Power IND. |
| B-5 | 33 | YAA30A04 | YAA30A04 | Bind Scr. M3x4 |
| E-6 | 34 | YEB30A06 | YEB30A06 | Sems Bind Scr. M3x6 |
| E-2 | 35 | PT2622 | PT2619 | Power Trans (E,S) |
| | | PT2623 | PT2620 | Power Trans (J) |
| | | PT2624 | PT2621 | Power Trans (U) |
| F-2 | 36 | TD0110 | TD0110 | Bridge Diode S5VB40-F |
| F-2 | 37 | YJB30A14 | YJB30A14 | Tpg. Bind Scr. M3x14 |
| F-1 | 38 | US1068 | US1068 | Stand (E,S) |
| F-2 | 39 | YNK030A | YNK030A | Flange Nut 3ϕ (E,S) |
| F-2 | 40 | YJB40A06 | YJB40A06 | Tpg. Bind Scr. M4x6 |
| | | YAA30A04 | YAA30A04 | Bind Scr. M3x4 |
| D-1 | 41 | UD1058 | UD1058 | Side Panel L |
| H-4/D-2 | 42 | UZ1114 | UZ1114 | Bracket |
| D-3 | 43 | UW1191 | UW1191 | Spacer |
| D-3 | 44 | UK1134 | UK1134 | Shield Plate |
| E-1 | 45 | Non Use | AH0016 | Fuse Holder (J) |
| F-5/C-2 | 46 | YJB30A06 | YJB30A06 | Tpg. Bind Scr. M3x6 |
| D-1 | 47 | YJB40A08 | YJB40A08 | Tpg. Bind Scr. M4x8 |
| D-2 | 48 | YAA30A06 | YAA30A06 | Bind Scr. M3x6 |
| F-1 | 49 | Non Use | YJB30A08 | Tpg. Bind Scr. M3x8 (J) |
| | 50 | BE1094 | BE1094 | Heat Sink |

٠,

| No. L410 | Index | | Stock No. | | Description | |
|---|---------|-----|-----------|----------|--|------------------------|
| C-5 52 B100065 B10065 C-7 F-5 53 B100221 YAA30A10 F-4 F-4 55 YAA30A08 YAA30A06 F-4 F-4 57 YAA30A06 YAA30A06 F-4 F-4 57 YAA30A06 YAA30A06 F-4 F-4 67 YEBA0A08 F-4 68 YEBA0A06 H-1 66 YEBA0A06 YEBA0A08 SEED BIND ST. MISCON H-1 67 YEBA0A08 YEBA0A08 SEED BIND ST. MISCON H-1 67 YEBA0A06 THE ST. MISCON H-1 70 YEBA0A06 THE ST. MISCON THE ST. MISCO | | | | L430 | | |
| F-5/F-3 53 | 1 | | | 1 | | |
| P-5 P-6 T-3 54 | | | | i | | |
| GV F-5 55 | | | | | l . | |
| F-4 56 | | | | | l . | |
| F-4 57 | 1 | | 1 | | | |
| F-5 58 | 1 | | 1 | 1 | | |
| T-3 59 | 1 | | 1 | | | |
| E-I/I-4 61 | I-3 | 59 | UD1059 | UD1059 | Side Panel R | |
| F-3 62 | | | | YJB40A08 | Tpg. Bind Scr. M4x8 | |
| H-5/Fc-2 63 | , | | 1 | | | |
| G-4/F-2 64 YEB30A06 Sems Bind Scr. M3x6 Sems Bind Scr. M3 | | | 1 | | | |
| F-4 | | | | | | |
| H-1 | | | | | | |
| T-1 | | | 1 | | | • , |
| F-1 | | | | | | |
| A-5 69 WA1258-4 W1258-3 Front Panel Escutcheon Escutcheon Co-6 74 W01154 W01153 W01153 Co-6 74 W01140-1 W01140-1 Co-6 76 W01160 W1160-1 Co-6 76 W01160 W1160-1 W01141-1 Co-6 76 W01160 W1160-1 W01160-1 A-5 79 W01120 W11000 A-5 79 W01120 W01020 Co-6 80 W01121 B-5 81 W01031 Co-5 82 W01033 Co-5 83 UZ1378 W1153-3 W01033 Co-5 83 UZ1378 W1163 B-7 89 WX1129 W11031 Co-6 86 W05005 Co-6/B-6 87 UL1010 UL1010 W1160-1 W01060 B-7 W05005 Co-6/B-6 87 UL1010 UL1010 W1160-1 W05005 Co-6/B-6 87 UL1010 W1160-1 W05005 Co-6/B-6 87 UL1010 W1160-1 W05005 Co-6/B-6 97 UV1192 W1160-1 W1160 | | | | | | (1) |
| B-6 | A-5 | 69 | | | | (0) |
| B=6 | C-6/B-6 | 70 | WD1153 | | | |
| C-7/A-5 | | | | WD1154 | | • |
| C-6 | 1 | | | | | |
| C-6 7-7 Well We | 1 | | | | | |
| C-6 | 1 | | | | | |
| C-6 | | | | | | |
| B-5 | | | | | | |
| A-5 | | | | | | |
| C-6 | | | | | | |
| B-5 | 3 | | | | | |
| C-5 | 1 | | | | | |
| C-5 | 1 1 | | | | | |
| B-5 | | | | | | |
| D-6 86 WQS005 UL1011 WJ1163 WJ1163 B-7 88 WJ1164 WK1140 WJ1190 WJ | 1 | | | | | |
| C-6/B-6 | | | WJ1189 | WJ1189 | Mold Knob | |
| B-7 | | | | | | |
| B-7 | | | | | | |
| A-7 90 W1164 A-7 91 WK1140 A-7 92 WJ1190 A-5 93 YJE30A06 D-6 94 YJB30C06 B-5 95 YAB30C55 G-4 96 UW1192 H-7 97 WN1032 WN1032 WN0007 C-6 98 WJ1024 WN1024 WN1024 WN1024 WN1024 WN0007 WN0007 H-7 101 YJB40C12 YJB40C | 1 | | | | | |
| A-7 91 WK1140 WK1140 WH190 WJ190 WJ191 WJ192 WJ1000 | | | | | | |
| A-7 92 WJ190 WJ190 YJE30A06 YJE30A06 Plat Tpg. Scr. M3x6 Plat Tpg. Scr. M3x6 Blk Rivet 3.5x5.5 Blk Spacer WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN | | | | | | |
| A-5 93 YJE30A06 D-6 94 YJE30C06 PS 5 95 YRA30C55 PS 395 | 1 | | | | | |
| D-6 94 YJB30C06 B-5 95 YRA35C55 YRA30C55 YRA30C55 C-4 96 UUI192 WN1032 WN0007 WN0007 WN0007 WN0007 WN0007 WN1024 WN1024 WN1024 WN1024 WN1024 WN1024 WN1024 WN1025 WN0007 WN0007 WN1025 WN0007 WN1025 WN0007 YJB40C12 YJB40C08 YJB30C06 C-1 109 YJB30C06 C-1 109 YJB30C06 C-1 109 YJB30C06 C-1 109 YJB30C06 C-1 110 H-3 112 G-4 114 D-5 115 F-7 116 UE1122 UE1122 UE1122 Bottom Plate PB-1408-3 Ass'y PB-1408-1 Ass'y PB-1408-2 Ass'y PB-1408-1 Ass'y PB-1408-1 Ass'y PB-1408-1 Ass'y PB-1408-2 A | | | | | | |
| B-5 | | | | | | |
| G-4 96 | | | | | | |
| H-7 97 WN1032 WN0007 WN0007 WN0007 Frannleg (E,S,U) W1024 WN1024 WN1024 WN1025 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0007 WN0007 WN0007 WN00007 WN0007 WN0007 WN0000 | 1 | | | 4 | | |
| C-6 | H-7 | 97 | | | I | (J) |
| E-6 99 WN1026 WN1024 WN1024 WN0007 WN0007 F-7 100 WN1025 WN0007 WN0007 WN0007 WN0007 Felt for Foot (J) WN1025 Felt for Foot (J) Trannleg (E,S,U) Trannleg (E,S,U) WN1025 Felt for Foot (J) Trannleg (E,S,U) Trannl | | | | | Trannleg | |
| WN1024 WN0007 WN0007 WN0007 WN0007 WN0007 WN1025 WN1025 WN0007 W | | | | | | |
| F-7 100 WN0007 WN0007 WN0007 WN0007 H-7 101 YJB40C12 YJB40C12 YJB40C12 TPg. Bind Scr. M4x12 (E,S,U) TPg. Bind Scr. M4x14 (J) TPg. Bind Scr. M4x12 (E,S,U) TPg. Bind Scr. M4x14 (J) TPg. Bind Scr. M4x12 (E,S,U) TPg. Bind Scr. M4x8 Blk TPg. Bind Scr. M4x8 TPg. Bind Scr. M3x6 TPg | E-6 | 99 | | | | |
| F-7 100 WN1025 WN0007 | | | | | | |
| WN0007 | F_7 | 100 | | | | |
| H-7 101 YJB40C12 YJB40C12 Tpg. Bind Scr. M4x12 (F,S,U) G-7/F-5 103 YJB40C08 YJB40C08 Tpg. Bind Scr. M4x8 Bik H-6/G-5 105 YWE030S YWE030S B-3 106 UG1039 UG1039 F-2 107 UW1193 UW1193 Spacer D-3 108 YJB40C08 YJB40C08 Tpg. Bind Scr. M4x8 Bik C-1 109 YJB30C06 G-2 111 H-3 112 H-3 113 G-4 114 D-5 115 F-7 116 UE1122 UE1122 UE1122 Bottom Plate E-5 117 C-4 118 C-6 121 D-4 122 F-3 123 G-4 124 G-3 125 F-2 127 UF18-1408-1 Ass'y FB-1408-1 Ass'y FB-1408-1 Ass'y FB-1408-1 Ass'y FB-1408-1 Ass'y FB-1408-1 Ass'y FB-1409A-1 Ass'y FB-1409A-1 Ass'y FB-1409A-2 Ass'y FB-1409A-3 Ass'y FB-1409A-3 Ass'y FB-1409A-4 Ass'y FB-1409A-3 Ass'y FB-1409A-4 Ass'y FB-1409A-3 Ass'y FB-1409A-4 Ass'y FB-1409A-3 Ass'y FB-1409A-3 Ass'y FB-1409A-3 Ass'y FB-1409A-3 Ass'y FB-1409A-3 Ass'y FB-1409A-4 Ass'y FB-1409A-3 Ass'y FB-1409A-4 Ass'y FB-1409A-3 Ass'y FB-1409A-4 Ass'y | r-/ | 100 | 1 | | | |
| F-7 102 YJB40C14 YJB40C12 Tpg. Bind Scr. M4x14 (J) G-7/F-5 103 YJB30C06 YJB30C06 YJB30C06 YJB40C08 YJB40C08 H-5 105 YWE030S WE030S WF-2 107 UW1193 UW1193 UW1193 PF-2 107 UW1193 UW1193 PB-1408-1 Ass'y PB-1408-4 Ass'y PB-1408-8 Ass'y PB-1408-1 Ass'y PB-1408-1 Ass'y PB-1408-1 Ass'y PB-1408-1 Ass'y PB-1408-8 Ass'y PB-1408-1 Ass'y PB-1408-2 Ass'y PB-1408-1 Ass'y PB-1408-2 Ass'y PB-1408-2 Ass'y PB-1408-2 Ass'y PB-1408-2 Ass'y PB-1408-3 Ass'y PB-1408-4 Ass'y PB-14 | H_7 | 101 | | | | (2,5,0) |
| YJB40C12 YJB40C12 YJB30C06 YJB30C06 YJB30C06 YJB30C06 YJB40C08 | | | | | | (1) |
| G-7/F-5 103 | ' | | | | | |
| H-5 104 | G-7/F-5 | 103 | | | | _, _ ,_, |
| H-6/G-5 105 YWE030S UG1039 UG1039 Bonnet F-2 107 UW1193 UW1193 Spacer D-3 108 YJB40C08 YJB40C08 C-1 109 YJB30C06 YJB30C06 G-2 111 H-3 112 H-3 113 G-4 114 D-5 115 F-7 116 UE1122 UE1122 PB-1408-4 Ass'y PB-1408-7 Ass'y PB-1408-8 Ass'y PB-1408-1 Ass'y PB-1408-8 Ass'y PB-1408-1 Ass'y PB-1409A-1 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y PB-1409A-4 Ass'y | | | | | | j |
| F-2 107 | | 1 | 1 | | | |
| D-3 108 | 1 | | 1 | | | |
| C-1 109 | | | | | | |
| G-2 111 | | , | | | | |
| H-3 112 H-3 113 G-4 114 D-5 115 F-7 116 E-5 117 C-4 118 C-6 121 D-4 122 F-3 123 G-4 124 G-3 125 F-2 127 H-3 112 PB-1408-2 Ass'y PB-1408-3 Ass'y PB-1408-4 Ass'y PB-1408-7 Ass'y PB-1408-7 Ass'y PB-1408-11 Ass'y PB-1408-12 Ass'y PB-1408-12 Ass'y PB-1409A-1 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y PB-1409A-4 Ass'y PB-1408-6 Ass'y PB-1408-7 As | | | ANR30C06 | YJB30C06 | | |
| H-3 113 | | | | | | |
| G-4 114 D-5 115 F-7 116 UE1122 UE1122 Bottom Plate PB-1408-7 Ass'y PB-1408-7 Ass'y PB-1408-7 Ass'y PB-1408-8 Ass'y PB-1408-8 Ass'y PB-1408-11 Ass'y PB-1408-12 Ass'y PB-1409A-1 A | | | | | | ı |
| D-5 115 F-7 116 UE1122 UE1122 Bottom Plate PB-1408-7 Ass'y PB-1408-8 Ass'y PB-1408-11 Ass'y PB-1408-12 Ass'y PB-1408-12 Ass'y PB-1409A-1 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y | | | | | | l |
| F-7 116 UE1122 UE1122 Bottom Plate PB-1408-7 Ass'y PB-1408-8 Ass'y PB-1408-11 Ass'y PB-1408-12 Ass'y PB-1408-12 Ass'y PB-1409A-1 Ass'y PB-1409A-2 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y PB-1409A-4 Ass'y | | | | | | |
| E-5 117 C-4 118 C-6 121 D-4 122 PB-1408-1 Ass'y PB-1408-1 Ass'y PB-1408-1 Ass'y PB-1408-1 Ass'y PB-1408-1 Ass'y PB-1409A-1 Ass'y PB-1409A-2 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y PB-1409A-4 Ass'y PB-1409A-4 Ass'y PB-1409A-4 Ass'y PB-1409A-4 Ass'y PB-1409A-4 Ass'y PB-1409A-5 Ass'y PB-1409A-6 Ass'y PB-1409A-6 Ass'y PB-1409A-7 Ass'y PB-1408-7 Ass'y PB-1408-7 Ass'y PB-1408-7 Ass'y PB-1408-8 Ass'y PB-1408-1 Ass'y PB-1409A-1 Ass'y | | | UE1122 | UE1122 | | |
| C-4 118 C-6 121 D-4 122 F-3 123 G-4 124 G-3 125 F-2 127 PB-1408-8 Ass'y PB-1408-11 Ass'y PB-1408-12 Ass'y PB-1409A-1 Ass'y PB-1409A-1 Ass'y PB-1409A-3 Ass'y PB-1409A-4 Ass'y PB-1409A-4 Ass'y PB-1409A-4 Ass'y PB-1409A-4 Ass'y PB-1409A-5 Ass'y PB-1409A-6 Ass'y PB-1409A-7 Ass'y PB-1409A-7 Ass'y PB-1409A-7 Ass'y PB-1409A-7 Ass'y PB-1409A-7 Ass'y PB-1409A-7 Ass'y PB-1408-8 Ass'y PB-1408-11 Ass'y PB-1408-12 Ass'y PB-1409A-1 Ass'y PB-1408-11 Ass'y PB-1409A-1 Ass'y PB-1409A-1 Ass'y PB-1409A-1 Ass'y | 1 | | | | | . \ |
| D-4 122 F-3 123 PB-1409A-1 Ass'y PB-1409A-2 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y PB-1409A-4 Ass'y PB-1409 | | | | | | n l |
| F-3 123 PB-1409A-1 Ass'y PB-1409A-2 Ass'y PB-1409A-3 Ass'y PB-1409A-3 Ass'y PB-1409A-4 Ass'y PB-1409A-3 Ass'y PB-1409A-4 Ass'y PB- | | | | | | |
| G-4 124 G-3 125 F-2 127 PB-1409A-2 Ass'y PB-1409A-3 Ass'y PB1409A-4 Ass'y (ES) | | | | | The state of the s | |
| G-3 125 PB-1409A-3 Ass'y PB1409A-4 Ass'y P | | | ļ | i | | |
| F-2 127 PB1409A-4 Ass'y (ES) | | | | | | ļ |
| | | | | | • | (70) |
| | r-2 | 127 | | | | |
| D-4 128 PB-1409A-5 Ass'y | D-4 | 128 | | | | (3,0) |
| G-4 131 PB-1409A-3 ASS Y | | | | į | | |

Packing Material Parts List

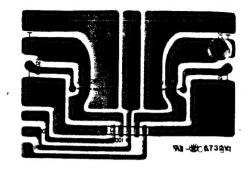


| Symbol No. | Stock No. L410 | Stock No. L430 | Description | |
|------------|-------------------|-------------------|----------------|---------|
| 201 | MA0161-2 | MA0161-2 | Owner's Manual | (J) |
| | ME0248 | ME0248 | Owner's Manual | |
| 202 | XC1031 | XC1031 | Plastic Bag | |
| 203 | XA1329 | XA1327 | Carton | |
| 204 | XB1067 | XB1067 | Styrol | |
| 205 | XC1018A | XC1018A | Plastic Bag | |
| 206 | XH1065 | XH1065 | Outer Carton | (E,S,U) |

PB-1408-1 Parts List

| Symbol No. | Stock No. | Stock No. | Description | | |
|------------|-----------|-----------|---------------|-------|------|
| | L410 | L430 | | | |
| (Speaker T | erminal) | | | | |
| | AT0153 | AT0153 | 8P YKD31-0134 | 4 | |
| (Capacitor |) | | | | |
| C1001a,b | CQ0041 | CQ0041 | 1000pF 50 | OV St | (SD) |
| C1002a,b | CQ0041 | CQ0041 | 1000pF 50 | OV St | (SD) |

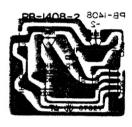
PB-1408-1



PB-1408-2 Parts List

| Symbol No. | Stock No. L410 | Stock No. L430 | Description |
|------------|-------------------|-------------------|-----------------------|
| (Pin Jack) | | | |
| | AT0151 | AT0151 | 4P T5754-AA Aux,Tuner |
| (Capacitor |) | | |
| C301a,b | CQ1401 | CQ1401 | 1000pF 50V St (SD) |
| C302a,b | CQ1401 | CQ1401 | 1000pF 50V St (SD) |
| (Resistor) | | | |
| R301a,b | RB0254 | RB0254 | 1M 1/4W Rd |
| R302a,b | RB0254 | RB0254 | 1M 1/4W Rd |

PB-1408-2



PB-1408-3 Parts List

| Symbol No. | Stock No. | Stock No. | Description | | | |
|------------|------------|-----------|-------------------|--------|--|--|
| | L410 | L430 | Dedet Ipt Ion | | | |
| (Pin Jack) | (Pin Jack) | | | | | |
| | AT0152A | AT0152A | 2P T5753-BA Phone |) | | |
| (Choke Coi | 1) | | | | | |
| L101a,b | LA1065 | LA1065 | S-471J | (SD) | | |
| L102a,b | LA1065 | LA1065 | S-471J | (SD) | | |
| (Capacitor |) | | | * 1000 | | |
| C101a,b | CQ1407 | CQ1407 | 150pF 50V St | (SD) | | |
| C102a,b | CQ1407 | CQ1407 | 150pF 50V St | (SD) | | |
| C103 | Non Use | CQ0009 | 0.047uF 50V My | 7 (SD) | | |
| (Resistor) | (Resistor) | | | | | |
| R101a,b | RB0180 | RB0180 | 820 1/4W Ro | i (SD) | | |

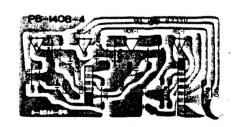
PB-1408-3

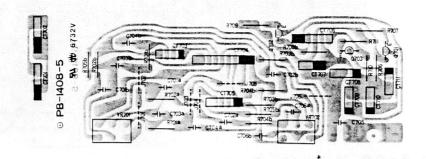


PB-1408-4 Parts List

| Symbol No. | Stock No. | Stock No. | Description | | |
|------------|---|-----------|---------------------------|--|--|
| | L410 | L430 | | | |
| (Pin Jack) | | | | | |
| | AT0151 AT0151 4P T5754-AA(Moni-1 Rec-2) | | | | |
| | AT0151 | AT0151 | 4P T5754-AA(Moni-2 Rec-1) | | |
| (Capacitor |) | | | | |
| C401a,b | CQ1401 | CQ1401 | 1000pF 50V St (SD) | | |
| C402a,b | CQ1401 | CQ1401 | 1000pF 50V St (SD) | | |
| C403 | CK0140 | CK0140 | 0.047uF 50V Ce | | |
| C404 | CK0140 | CK0140 | 0.047uF 50V Ce | | |
| (Resistor) | | | | | |
| R401a,b | RB0254 | RB0254 | 1M 1/4W Rd | | |
| R402a,b | RB0254 | RB0254 | 1M 1/4W Rd | | |
| R403a,b | RB0254 | RB0254 | 1M 1/4W Rd | | |
| R404a,b | RB0254 | RB0254 | 1M 174W Rd | | |

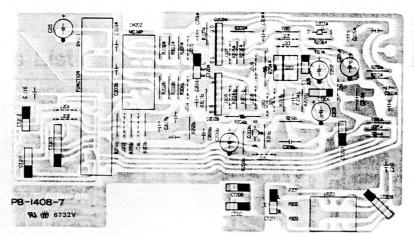
PB-1408-4





PB-1408-5 Parts List

| Symbol No. | Stock No. L410 | Stock No. L430 | Description |
|--------------|----------------------------|-------------------|------------------------|
| (Variable | Resistor) | | |
| VR701 | RV0295 | RV0295 | V16 K162A-50KEE Bass |
| VR702 | RV0295 | RV0295 | V16 K162A-50KEE Treble |
| (Transistor) | | | |
| Q701 | | TR0351 | 2SC2320 |
| Q702 | TR0351 | TR0351 | 2SC2320 |
| Q703 | TR0351 | TR0351 | 2SC2320 |
| (Capacitor |) | | |
| C701a,b | CQ0010 | CQ0010 | 0.039uF 50V My |
| C702a,b | CQ0013 | CQ0013 | 0.022uF 50V My |
| C703a,b | CQ0178 | CQ0178 | 0.12uF 50V My |
| C704a,b | CQ0007 | CQ0007 | 0.068uF 50V My |
| C705 | CE1753 | CE1753 | 4.7uF 50V E1 |
| C706a,b | CQ5078 | CQ5078 | 470pF 50V St |
| ** | CE1977B | CE1977B | 4.7uF (BP) 50V E1 |
| (Resistor) | Legge Commence | | |
| R701a,b | RB0190 | RB0190 | 2.2K 1/4W Rd |
| R702a,b | RB0202 | RB0202 | 6.8K 1/4W Rd |
| R703a,b | RB0166 | RB0166 | 220 1/4W Rd |
| R704a,b | RB0178 | RB0178 | 680 1/4W Rd |
| R705a,b | RB0174 | RB0174 | 470 1/4W Rd |
| R706 | | RB0198 | 4.7K 1/4W Rd |
| R707 | normalista Nacionalista | RB0136 | 12 1/4W Rd |
| R708 | RB0198 | RB0198 | 47K 1/4W Rd |
| R709 | RB0136 | RB0136 | 12 1/4W Rd |
| R710 | RB0198 | RB0198 | 4.7K 1/4W Rd |
| R711 | RB0136 | RB0136 | 12 1/4W Rd |



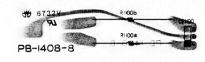
PB-1408-7 Parts List

| Symbol No | | | Description | | |
|--|-------------------|---------------|--------------------------|--|--|
| (Variable | L410 Resistor) | L430 | | | |
| | | DIIOOOC | W07010100 | | |
| VR201 (Switch) | RV0296 | RV0296 | K272A0100K Volume | | |
| | CD0172 | CD0172 | D | | |
| SW201 | SR0173 | SR0173 | Rotary SRZW-84S Function | | |
| SW202 | SS0150 | SS0150 | Slide SUFR2435 | | |
| (IC & FET | | T T C O 1 O 7 | | | |
| 0201 | TC0187 | TC0187 | NJM4556D-H | | |
| Q202a,b | TF0035 | TF0035 | 2SK270 Dua1 (SD) | | |
| 0000 | | TF0037 | 2SK147 (J) | | |
| 0203a,b | TF0030 | TF0030 | 2SK117Y | | |
| (Capacito | | | | | |
| C201a,b | CM0056 | CM0056 | 33pF 50V Mi | | |
| C202 | CE1731 | CE1731 | 47uF 25V E1 | | |
| C203a,b | CQ5077 | CQ5077 | 330pF 50V St | | |
| C204a,b | CQ1436 | CQ1436 | 4700pF 50V St | | |
| C205a,b | CQ0253 | CQ0253 | 0.1uF 50V My | | |
| C206a,b | CE1717 | CE1717 | 10uF 16V E1 | | |
| C207a,b | CQ0123 | CQ0123 | 0.027uF 50V My | | |
| C208a,b | CE1977B | | 4.7uF 50V | | |
| | CE1977B | | 4.7uF BF 50V E1 | | |
| | | CQ2011 | 3.3uF 250V My | | |
| C209 | CE1731 | CE1731 | 47uF 25V E1 | | |
| C210 | CQ1436 | CQ1436 | 4700pF 50V St | | |
| C216 | CQ1436 | CQ1436 | 4700pF 50V E1 | | |
| (Resistor |) | | | | |
| R201a,b | RB0222 | RB0222 | 47K 1/4W Rd | | |
| R202a,b | RB0158 | RB0158 | 100 1/4W Rd | | |
| R203a,b | RB0166 | RB0166 | 220 1/4W Rd (E,S,U | | |
| R204a,b | RD2586 | RD2586 | 1.5K 1/2W Rd | | |
| R205a,b | RB0182 | RB0182 | 1/2W Rd | | |
| R206a,b | RB0180 | RB0180 | 820 1/4W Rd | | |
| R207a,b | RB0148 | RB0148 | 39 1/4W Rd (E,S,U | | |
| R208a,b | RB0168 | RB0168 | 270 1/4W Rd (E, 5, 0 | | |
| R209a,b | RB0154 | RB0154 | 68 1/4W Rd | | |
| R210a,b | RB0260 | 1.00134 | 1.8K 1/4W Rd | | |
| | 100200 | RB0258 | | | |
| R211a,b | RB0254 | RB0256 | | | |
| R212a,b | RB0234 | RB0234 | 1M 1/4W Rd | | |
| R213a,b | | | 33K 1/4W Rd | | |
| and the second s | RB0192 | RB0192 | 2.7K 1/4W Rd | | |
| R214a,b | RB0156 | RB0156 | 82 1/4W Rd | | |
| R215a,b | RB0188 | RB0188 | 1.8K 1/4W Rd | | |
| R216a,b | RB0150 | RB0150 | 47 1/4W Rd | | |

PB-1408-8

PB-1408-8 Parts List

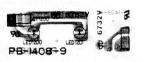
| Symbol No. | Stock No. | Stock No. L430 | Description |
|-------------|-----------|-------------------|--|
| (Phone Jac) | k) | | |
| | AJ0022 | AJ0022 | HLJ0305-01-020 |
| (Resistor) | | | Marin III — La de la California de la Adjatoria de la California de la Cal |
| R1100a,b | RS5030 | RS5030 | 470 3W Rf |



PB-1408-9 Parts List

| | Symbol No. | Stock No. | Stock No. | Description |
|---|------------|-----------|-----------|-------------|
| | | L410 | L430 | |
| | (LED) | | | |
| | LED1200 | Non Use | TD0237 | SLB-15UU5 |
| 7 | LED1201 | Non Use | TD0237 | SLB-15UU5 |

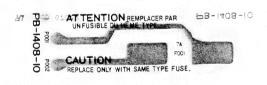




PB-1408-10 Parts List

| | | The second secon | |
|-------------|-----------|--|--------------------|
| Symbol No. | Stock No. | Stock No. | Description |
| | L410 | L430 | |
| (Fuse Holde | er) | | |
| F001 | AH0029 | Non Use | YSH-401T |
| (Fuse) | | | |
| F001 | BF0082 | Non Use | ULCS-MF61ML-5A (U) |
| | BF0121 | Non Use | MF61ML-6A (J) |

PB-1408-10

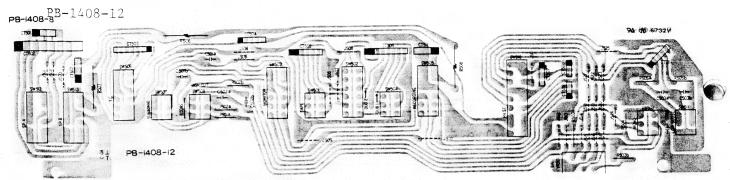


PB-1408-11

PB-1408-11 Parts List

| Symbol No. | Stock No. | Stock No. | Description |
|------------|-----------|-----------|-------------|
| (LED) | 11110 | | |
| LED1 300 | TD0237 | TD0237 | SLB-15UU5 |

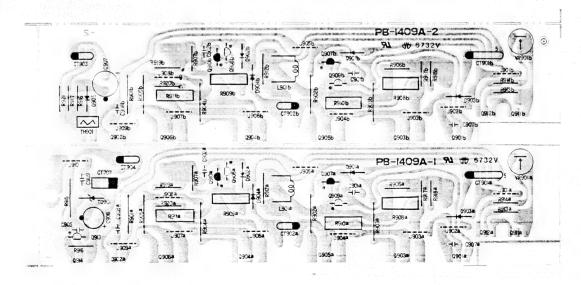




PB-1408-12 Parts List

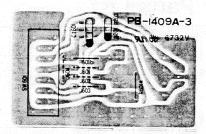
| | | The second second second second | |
|------------|-------------------|---------------------------------|--------------------------|
| Symbol No. | Stock No. L410 | Stock No. L430 | Description * |
| (Switch) | | | |
| SW501-505 | SP0282 | SP0282 | Push SUF53 |
| SW506-508 | SP0281 | SP0281 | Push SUN331A |
| SW509,511 | SP0280 | SP0280 | Push SUN231A |
| SW510 | SP0283 | SP0283 | Push SUF23 |
| SW512,513 | SP0262 | SP0262 | Push SUF23 |
| (Capacitor |) | | |
| C501a,b | CQ0004 | CQ0004 | 0.015uF 50V My |
| C502a,b | CQ0027 | CQ0027 | 6800pF 50V My |
| C503a,b | CQ0011 | CQ0011 | 0.33uF 50V My |
| C504 | CK0140 | CK0140 | 0.047uF 50V Ce |
| C505 | CK0140 | CK0140 | 0.047uF 50V Ce |
| (Variable | Resistor) | | |
| VR501 | RV0294 | RV0294 | V16 K162A-250KMN Balance |
| (Resistor) | | | |
| R501a,b | RB0192 | RB0192 | 2.7K 1/4W Rd |
| R502a,b | RB0254 | RB0254 | 1M 1/4W Rd |
| R503a,b | RB0202 | RB0202 | 6.8K 1/4W Rd |
| R504a,b | RB0254 | RB0254 | 1M 1/4W Rd |
| R505a,b | RB0208 | RB0208 | 12K 1/4W Rd |
| R506 | | RS2940 | 2.2K 2W Rf |
| R507 | | RS2940 | 2.2K 2W Rf |
| R508 | RS2940 | RS2940 | 2.2K 2W Rf |

PB-1409A-1 PB-1409A-2



PB-1409A-1,2 Parts List

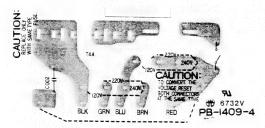
| Symbol No | Stock No. | Stock No. L430 | Descript | ion |
|--|----------------------------|----------------------------|--|--|
| (Variable | | 15430 | la de la companya de | |
| VR901a,b | RT0006 | RT0006 | Semi SR19 | מ א כ כ ב מ נ |
| (Choke Co: | | RIOOO | Semi SKI | <u> </u> |
| | LA1020 | T 41020 | THY 1000 | |
| L901a,b | | LA1020 | LUX-1020 | |
| (Thremisto | | T | | |
| TH901 | TV0011 | TV0011 | TD5-C320 | |
| (Transisto | | | | |
| Q901a,b | TR0299 | TR0299 | 2SC2238B | |
| Q902a,b | TR0298 | TR0298 | 2SA968B | |
| Q903a,b | TR0380 | TR0380 | 2SC3182 | |
| Q904a,b | TR0379 | TR0379 | 2SA1265 | |
| Q905a,b | Non Use | TR0380 | 2SC3182 | |
| Q906a,b | Non Use | TR0379 | | |
| | | | 2SA1265 | |
| Q907a,b | TR0314 | TR0314 | 2SA999 | |
| 0908a,b | TR0351 | TR0351 | 2SC2320 | |
| Q909a,b | TR0351 | TR0351 | 2SC2320 | |
| 0910a,b | TR0314 | TR0314 | 2SA999 | |
| Q911a,b | TR0334 | TR0334 | 2SC1903 | |
| Q912a,b | TR0334 | TR0334 | 2SC1903 | |
| Q913 | TR0351 | TR0351 | 2SC2320 | |
| Q914 | TR0139 | TR0139 | 2SD880 | |
| (Capacitor | | TRULDE | 230000 | |
| | | 000010 | 0.007== | |
| C901a,b | CQ0019 | CQ0019 | 0.0047uF | |
| C902a,b | CQ0019 | CQ0019 | 0.0047uF | |
| C905 | CK0140 | | 0.047uF | 50V Ce |
| C906 | CE1732 | | 100uF | 25V E1 |
| C907 | CE1722 | CE1722 | 220uF | 16V E1 |
| C907a,b | CM0125 | CM0125 | 47pF | 500V Mi |
| C908a,b | CM0125 | CM0125 | 47pF | 500V Mi |
| C909 | CK0140 | 31.0123 | 0.047uF | 50V Ce |
| (Zener Dic | | | U.U4/UF | JU V UE |
| TD901 | | TDOOSE | 117 220 | Egypty (1995) (1995) Oraniya Sangga Bandana ay kabulana |
| | TD0085 | TD0085 | WZ-230 | and the second s |
| (Diode) | TD0007 | mpooo= | 1.00 / 3 | |
| D901a,b | TD0227 | TD0227 | 1SS41 | |
| D902a,b | TD0227 | TD0227 | 1SS41 | |
| D903a,b | TD5025 | TD5025 | 152462 | |
| D904a,b | TD5025 | TD5025 | 1S2462 | |
| D905a,b | Non Use | TD0227 | 1SS41 | |
| (Resistor) | | | | |
| R901a,b | RS2513L | | 120 | 1/2W Rf |
| R902a,b | | RS2564 | 4.7 | 1/2W Rf |
| R903a,b | RS2564L | RS2564L | 4.7 | 1/2W Rf |
| | | | | |
| R904a,b | RS2564L | RS2564L | 4.7 | 1/2W Rf |
| R905a,b | | RS2564 | 4.7 | 1/2W Rf |
| R906a,b | RB0166 | RB0166 | 220 | 1/4W Rd |
| R907a,b | RB0160 | | 120 | 1/4W Rd |
| R908a,b | RG0075 | | 0.22 | 5W Rc |
| | | RG0102 | 0.22 | 3W Rc |
| R909a,b | RG0075 | | 0.22 | 5W Rc |
| | | RG0102 | 0.22 | 3W Rc |
| R910a,b | | RG0102 | 0.22 | 3W Rc |
| | | 1.56 | | |
| R911a,b | DDOCOC | RG0102 | 0.22 | 3W Rc |
| R912a,b | RD2526 | RD2526 | 4.7 | 1/4W Rd |
| R913a,b | RB0192 | RB0192 | 2.7K | 1/4W Rd |
| R914a,b | RB0184 | RB0184 | 1.2K | 1/4W Rd |
| | RS2524L | RS2524L | 1K | 1/2W Rf |
| R915 | | RB0270 | 4.7M | 1/4W Rd |
| | KBUZ/U | 1 | 470 | 1/4W Rd |
| R916 | RB0270 | RR0174 | | TII IXU |
| R916 R916a,b | RB0174 | RB0174 | | |
| R916 R916a,b R917 | RB0174 RB0214 | RB0214 | 22K | 1/4W Rd |
| R916 R916a,b R917 R917a,b | RB0174 RB0214 RB0174 | RB0214 RB0174 | 22K 470 | 1/4W Rd 1/4W Rd |
| R915 R916 R916a,b R917 R917a,b R918a,b | RB0174 RB0214 | RB0214 RB0174 RB0174 | 22K 470 470 | 1/4W Rd 1/4W Rd 1/4W Rd |
| R916 R916a,b R917 R917a,b R918a,b R919a,b | RB0174 RB0214 RB0174 | RB0214 RB0174 | 22K 470 | 1/4W Rd 1/4W Rd 1/4W Rd 1/4W Rd |
| R916 R916a,b R917 R917a,b | RB0174 RB0214 RB0174 | RB0214 RB0174 RB0174 | 22K 470 470 | 1/4W Rd 1/4W Rd 1/4W Rd |



PB-1409A-3 Parts List

| Symbol No. | Stock No. L410 | Stock No. L430 | Description |
|------------|-------------------|-------------------|----------------|
| (Switch) | | | |
| SW601 | SS0135 | SS0135 | Slide SSB04202 |
| (Resistor) | | | |
| R601a,b | RB0222 | RB0222 | 47K 1/4W Rd |
| (Pin Jack) | | | |
| | AT0150 | AT0150 | 4P T5757-AA |

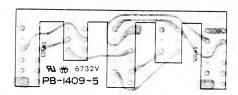
PB-1409-4



PB-1409A-4 Parts List

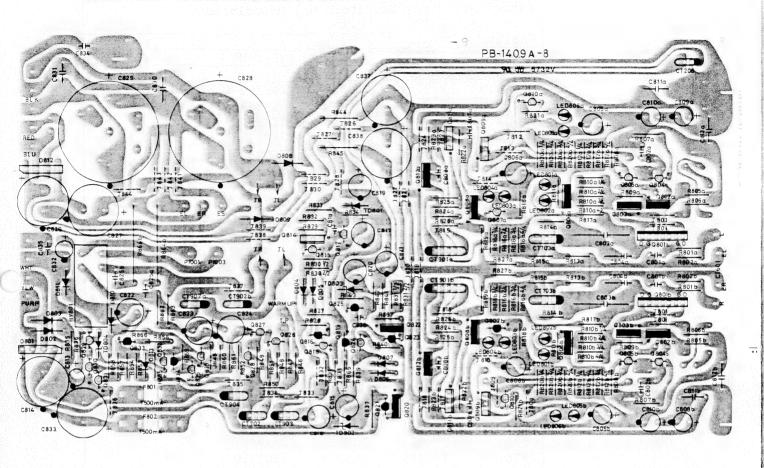
| Symbol No. | Stock No. | Stock No. | Description | |
|------------|-----------|-----------|----------------|--------|
| | L410 | L430 | | |
| (Fuse Hold | er) | | | |
| | AH0028 | AH0028 | 23165102-C | (S) |
| | AH0029 | AH0029 | YSH-401T | (E) |
| (Fuse) | | | | |
| F001 | BF0118 | BF0118 | MF60NR-4A | (EK) |
| | BF0212 | | 5120 3.15AT | (SK) |
| | | BF0213 | 5x20 4A (T) | (S) |
| | BF0082 | | ULCS-MF61ML-5A | (EZ) |
| | | BF0083 | ULCS-MF61ML-6A | (EZ,U) |
| (Capacitor |) | | | ,0, |
| C002 | CU0080 | CU0080 | 0.0047uF 400V | |

PB-1409-5



PB-1409A-5 Parts List

| Symbol No. | Stock No. | Stock No. | Description | | |
|------------|-----------|-----------|-------------|-----------|----------------|
| | L410 | L430 | | | 10 W. Chila |
| (Switch) | | | | | |
| SW501-505 | SP0282 | SP0282 | Push SUF53 | negative. | |



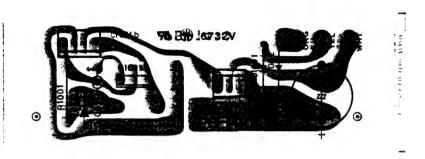
PB-1409A-8 Parts List

| Symbol No. | · · · · · · · · · · · · · · · · · · · | | Description | |
|------------|---------------------------------------|--------|-------------|---------|
| | L410 | L430 | | |
| (Fuse Hold | er) | | | |
| | AH0028 | AH0028 | 23165102-C | |
| (Fuse) | | | | |
| F801 | BF0206 | BF0206 | 5x20 0.5A-T | (S) |
| | BF0308 | BF0308 | MF51NR-0.5A | (T,J,U) |
| F802 | BF0206 | BF0206 | 5x20 0.5A-T | (S) |
| | BF0308 | BF0308 | MF51NR-0.5A | (E,J,U) |
| *** | | BF0208 | 5x20 1A-T | (S) |
| *** | | BF0305 | MF51NR-1.5A | (E) |

| Symbol No. | Stock No. | Stock No | Description |
|--------------|-----------------------|--|--------------------|
| | L410 | L430 | Description |
| (Relay) | | 1 1430 | |
| RY801 | AY1023 | AY1023 | VB-24MC |
| (Transisto | | 1 | VD 24110 |
| Q801a,b | TF0035 | TF0035 | 2SK270 Dual FET |
| Q802a,b | TR0342 | TR0342 | 2SA899-BV |
| Q803a,b | TR0342 | TR0342 | 2SA899-BV |
| Q804a,b | TR0351 | TR0351 | 2SC2320 |
| Q805a,b | TR0351 | TR0351 | 2SC2320 |
| Q806a,b | TR0342 | TR0342 | 2SA899-BV |
| Q807a,b | TR0314 | TR0314 | 2SA999 |
| Q808a,b | TR0342 | TR0342 | 2SA899-BV |
| Q809a,b | TR0318 | TR0318 | 2SC1904-BV |
| Q810a,b | TR0351 | TR0351 | 2SC2320 |
| Q811a,b | TR0318 | TR0318 | 2SC1904-BV |
| Q812a,b | TR0342 | TR0342 | 2SA899-BV |
| Q814 | TR0159 | TR0159 | 2SD415 |
| 0815 | TR0351 | TR0351 | 2SC2320 |
| Q816 | TR0314 | TR03314 | 2SA999 |
| Q817 | TR0351 | TR0351 | 2SC2320 |
| Q818 | TR0351 | TR0351 | 2SC2320 |
| Q819 | TR0314 | TR0314 | 2SA999 |
| Q820 | TR0158 | TR0158 | 2SB549 |
| Q822 | TR0158 | TR0158 | 2SB549 |
| Q823 | TR0314 | TR0314 | 2SA999 |
| Q824 | TR0351 | TR0351 | 2SC2320 |
| 0825 | TR0314 | TR0314 | 2SA999 |
| Q826 | TR0351 | TR0351 | 2SC2320 |
| Q827 | TR0351 | TR0351 | 2SC2320 |
| 0828 | TR0351 | TR0351 | 2SC2320 |
| Q829 | TR0351 | TR0351 | 2SC2320 |
| Q830 | TR0351 | TR0351 | 2SC2320 |
| Q831 | TR0351 | TR0351 | |
| Q831 Q832 | TR0351 | TR0351 | 2SC2320 2SC2320 |
| Q833 | TR0331 | TR0331 | 2SA999 |
| Q834 | TR0314 | | |
| Q835 | TR0314 | TR0314 | 2SA999 2SC2320 |
| 0836 | TR0351 | TR0351 TR0351 | |
| (Diode) | TCCONT | TCCONT | 2SC2320 |
| D801 | TD0137 | TD0137 | S1VB10 Bridge |
| D802 | TD0002 | TD0002 | 1N4002 |
| D803 | TD0002 | TD0002 | 1N4002 1N4002 |
| D805 | TD0002 | TD0227 | 1SS41 |
| D806 | TD0227 | TD0227 | 18841 |
| D807 | TD0227 | TD0227 | 15541 1SS41 |
| D808 | TD0002 | TD0002 | 18541 1N4002 |
| D809 | TD0002 | TD0002 | |
| D810 | TD0002 | TD0227 | 1N4002 |
| D811 | 经国际股份的 化光光电池 医二甲二甲基甲基 | the state of the s | 18841 |
| D812 | TD0227 TD0139 | TD0227 | 1SS41 |
| D812 | | TD0139 | S1VB20 Bridge |
| (Resistor) | TD0227 | TD0227 | 18841 |
| D804 | RB0170 | RB0170 | 330 1/4W Rd |
| 2004 | MUTIO | TOUT/U | JJU 1/4W KQ |

| Symbol No. | | Stock No. | Descript | ion |
|------------|------------|-------------|----------|----------------|
| | L410 | L430 | | |
| (Zener Dio | | 1 | | |
| TD801 | TD0043 | TD0043 | WZ-130 | |
| TD802 | TD0085 | TD0085 | WZ-230 | |
| TD803 | TD0043 | TD0043 | WZ-130 | |
| TD804 | TD0060 | TD0060 | WZ-061 | |
| (LED) | | | | |
| LED801a,b | TD0238 | TD0238 | TLR124 | |
| LED802a,b | TD0238 | TD0238 | TLR124 | |
| LED803a,b | TD0238 | TD0238 | TLR124 | |
| LED804a,b | TD0238 | TD0238 | TLR124 | |
| LED805a,b | TD0238 | TD0238 | TLR124 | |
| LED806a,b | TD0238 | TD0238 | TLR124 | • |
| (Capacitor |) | | | |
| C801a,b | CQ3017 | | 100pF | St |
| | | CQ1403 | 100pF | 50V St |
| C802a,b | CQ1441 | C01441 | 6800pF | ·50V St |
| C803a,b | CQ5080 | | 1500pF | 50V St (E,S,U) |
| | | CM0174 | 22000pF | 100V My |
| C804a,b | CE1977B | 0.1017 | 4.7uF BP | 50V E1 |
| | ODES / / D | C00700 | 3.3uF | 100V E1 |
| C805a,b | CE1712 | CE1712 | 220uF | 10V E1 |
| C806a,b | CE1712 | CE1712 | 220uF | 10V E1 |
| C807a,b | CM0125 | CM0125 | 47pF | 500V Mi |
| C808a,b | CM0125 | CM0125 | 47pF | 500V Mi |
| C809a,b | CE1778 | CE1778 | | |
| C810a,b | CE1778 | | 22uF | 100V E1 |
| C813 | | CE1778 | 22uF | 100V E1 |
| C814 | CE1750 | CE1750 | luF | 50V E1 |
| C815 | CE1748 | CE1748 | 2200uF | 35V E1 |
| (013 | CE1732 | GT1700 | 100uF | 25V E1 |
| 0016 | 071700 | CE1733 | 220uF | 25V E1 |
| C816 | CE1732 | CE1732 | 100uF | 25V E1 |
| C817 | CE1722 | | 220uF | 16V E1 |
| | | CE1952 | 220uF | 16V E1 |
| C819 | CE1731 | CE1731 | 47uF | 25V E1 |
| C820 | CE1722 | CE1722 | 220uF | 16V E1 |
| | | CE1952 | 220uF | 16V E1 (J) |
| C821 | CE1731 | CE1731 | 47uF | 25V E1 |
| C822 | CE1713 | CE1713 | 330uF | 10V E1 |
| C823 | CE1714 | CE1714 | 470uF | 10V E1 |
| C824 | CE1714 | CE1714 | 470uF | 10V E1 |
| C825a,b | CQ3063 | CQ3063 | 0.047uF | 100V Pp |
| C826 | CE1794 | CE1794 | 470uF | 100V E1 |
| C827 | CE1794 | CE1794 | 470uF | 100V E1 |
| C828 | CE1032 | | 15000uF | 56V E1 (S,E,U) |
| | CE4098 | | 15000uF | 55V E1 (J) |
| | | CE1031 | 15000uF | 63V E1 (S,E) |
| | | CE4097 | 15000uF | 63V E1 (J,U) |
| C829 | CE1032 | | 15000uF | 56V E1 (S,E,U) |
| | CE4098 | | 15000uF | 55V E1 (J) |
| | | CE1031 | 15000uF | 63V E1 (S,E) |
| | | CE4097 | 15000uF | 63V E1 (J,U) |
| C832 | CE1749 | CE1749 | 0.47uF | 50V E1 |
| C833 | CE1748 | CE1748 | 2200uF | 35V E1 |
| C834 | CK0140 | CK0140 | 0.047uF | 50V Ce |
| C835 | CK0140 | CK0140 | 0.047uF | 50V Ce |
| C837 | CE1794 | CE1794 | 470uF | 100V E1 |
| C838 | CE1794 | CE1794 | 470uF | 100V E1 |
| | JA1177 | UH1177 | 7/0UF | TOOA ET |

| Symbol No. | Stock No. L410 | Stock No. L430 | Descripti | ion |
|--|--|--|--|---|
| (Resistor) | | | i | |
| R801a,b | RB0174 | RB0174 | 470 | 1/4W Rd |
| R802a.b | RB0252 | RB0252 | 820K | 1/4W Rd |
| R804 | 1130232 | RB0170 | 330 | |
| | DBO224 | | | 1/4W Rd |
| R805a,b | RB0224 | RB0224 | 56K | 1/4W Rd |
| R806a,b | RB0224 | RB0224 | 56K | 1/4W Rd |
| R806 | | RB0170 | 330 | 1/4W Rd |
| R807a,b | RB0160 | RB0160 | 120 | 1/4W Rd |
| R808a,b | RB0160 | RB0160 | 120 | 1/4W Rd |
| R809a,b | RB0186 | RB0186 | | |
| | | KBOIGO | 1.5K | 1/4W Rd |
| R810a,b | RB0204 | | 8.2K | 1/4W Rd |
| | | RB0208 | 12K | 1/4W Rd |
| R81la,b | RB0170 | RB0170 | 330 | 1/4W Rd |
| R812a,b | | RB0238 | 240Kx4 | 1/4W Rd |
| R813a,b | RB0142 | RB0142 | 22 | 1/4W Rd |
| R814a,b | | | | |
| | RB0254 | RB0254 | 1M | 1/4W Rd |
| R815a,b | RB0154 | RB0154 | 68 | 1/4W Rd |
| R816a,b | RB0203 | | 7.5Kx4 | 1/4W Rd |
| | | RB0208 | 12Kx4 | 1/4W Rd |
| R817a,b | RB0270 | RB0270 | 4.7M | 1/4W Rd |
| R818a,b | RB0166 | RB0166 | 220 | |
| 1 | VDOTOR | | | 1/4W Rd |
| R819a,b | | RB0270 | 4.7M | 1/4W Rd |
| R820a,b | RB0236 | | 180K | 1/4W Rd |
| | | RB0238 | 220Kx4 | 1/4W Rd |
| R821a,b | RB0236 | | 180K | 1/4w Rd |
| | | PR0220 | | · · |
| | DD0166 | RB0238 | 220K | 1/4W Rd |
| | RB0166 | | 220 | 1/4W Rd |
| R822a,b | RS1849 | RS1849 | 100 | 1/4W Rf |
| R823a,b | RS1849 | RS1849 | 100 | 1/4W Rf |
| R825a,b | RS1849 | RS1849 | 100 | 1/4W Rf |
| 1 | | ł . | | |
| R826a,b | RS1849 | RS1849 | 100 | 1/4W Rf |
| R827 | RB0208 | RB0208 | 12K | 1/4W Rf |
| R828 | RB0176 | RB0176 | 560 | 1/4W Rd |
| R830 1/2 | RB0194 | RB0194 | 3.3K | 1/4W Rd |
| R830 2/2 | RB0182 | | 1K | 1/4W Rd |
| 1.030 2/2 | 100101 | RB0192 | 2.7K | |
| 2021 1/2 | BB010/ | | | 1/4W Rd |
| R831 1/2 | RB0194 | RB0194 | 3.3K | 1/4W Rd |
| R831 2/2 | RB0182 | | 1K | 1/4W Rd |
| | | RB0192 | 2.7K | 1/4W Rd |
| R832 | RS1849 | RS1849 | 100 | 1/4W Rd |
| R833 | | RB0220 | 39K | 1/4W Rd |
| R834 | RB0208 | | 12K | 1/4W Rd |
| 1.034 | 100200 | PP0216 | | _, |
| 2025 | PP0000 | RB0216 | 27K | 1/4W Rd |
| R835 | RB0208 | RB0208 | 12K | 1/4W Rd |
| R836 | RB0208 | RB0208 | 12K | 1/4W Rd |
| R837 | RS2524 | RS2524 | 1K | 1/2W Rf |
| R839 | RB0208 | RB0208 | 12K | 1/4W Rd |
| R840 | RB0176 | | 560 | |
| | | RB0176 | | 1/4W Rd |
| R841 | RS1825 | RS1825 | 10 | 1/4W Rf |
| R842 | RB0194 | RB0194 | 3.3K | 1/4W Rd |
| R843 | RB0208 | | 12K | 1/4W Rd |
| | | RB0216 | 27K | 1/4W Rd |
| R844 | RS1849 | | | 1/4W Rf |
| 1 | | RS1849 | 100 | • |
| R845 | RS1849 | RS1849 | 100 | 1/4W Rf |
| R846 | RB0238 | RB0238 | 220K | 1/4W Rd |
| R847 | RB0270 | RB0270 | 4.7M | 1/4W Rd |
| R848 | RB0206 | RB0206 | 10K | 1/4W Rd |
| 1 | | | | |
| R849 | RB0206 | RB0206 | 10K | 1/4W Rd |
| R850 | RB0198 | | 4.7K | 1/4W Rd |
| | | RB0270 | 4.7M | 1/4W Rd |
| R851 | RB0206 | RB0206 | 10K | 1/4W Rd |
| j | RB0136 | RB0136 | 12 | 1/4W Rd |
| | RB0196 | RB0196 | | |
| | | i | 3.9K | 1/4W Rd |
| I DOE / | RB0208 | RB0208 | 12K | 1/4W Rd |
| | DDOOOC | RB0206 | 10K | 1/4W Rd |
| | RB0206 | | 10K | 1/4W Rd |
| R855 | RB0206 | RB0206 | TOK | I/4W KG |
| R855 R856 | RB0206 | | | |
| R855 R856 R857 | RB0206 RB0224 | RB0224 | 56K | 1/4W Rd |
| R855 R856 R857 R858 | RB0206 RB0224 RB0150 | RB0224 RB0150 | 56K 47 | 1/4W Rd 1/4W Rd |
| R855 R856 R857 R858 R859 | RB0206 RB0224 | RB0224 | 56K | 1/4W Rd 1/4W Rd 1/4W Rd |
| R855 R856 R857 R858 R859 | RB0206 RB0224 RB0150 | RB0224 RB0150 | 56K 47 | 1/4W Rd 1/4W Rd |
| R855 R856 R857 R858 R859 R860 | RB0206 RB0224 RB0150 RB0206 RB0194 | RB0224 RB0150 RB0206 RB0194 | 56K 47 10K 3.3K | 1/4W Rd 1/4W Rd 1/4W Rd 1/4W Rd |
| R855 R856 R857 R858 R859 R860 R861 | RB0206 RB0224 RB0150 RB0206 RB0194 RB0198 | RB0224 RB0150 RB0206 RB0194 RB0198 | 56K 47 10K 3.3K 4.7K | 1/4W Rd 1/4W Rd 1/4W Rd 1/4W Rd 1/4W Rd |
| R855 R856 R857 R858 R859 R860 R861 R862 | RB0206 RB0224 RB0150 RB0206 RB0194 RB0198 RD2602 | RB0224 RB0150 RB0206 RB0194 RB0198 RD2602 | 56K 47 10K 3.3K 4.7K 6.8K | 1/4W Rd 1/4W Rd 1/4W Rd 1/4W Rd 1/4W Rd 1/2W Rd |
| R855 R856 R857 R858 R859 R860 R861 R862 | RB0206 RB0224 RB0150 RB0206 RB0194 RB0198 RD2602 RD2602 | RB0224 RB0150 RB0206 RB0194 RB0198 RD2602 RD2602 | 56K 47 10K 3.3K 4.7K 6.8K 6.8K | 1/4W Rd 1/4W Rd 1/4W Rd 1/4W Rd 1/4W Rd 1/2W Rd 1/2W Rd |
| R855 R856 R857 R858 R859 R860 R861 R862 R863 | RB0206 RB0224 RB0150 RB0206 RB0194 RB0198 RD2602 | RB0224 RB0150 RB0206 RB0194 RB0198 RD2602 | 56K 47 10K 3.3K 4.7K 6.8K | 1/4W Rd 1/4W Rd 1/4W Rd 1/4W Rd 1/4W Rd 1/2W Rd |



PB-1410 Parts List

| Symbol NO. | Stock No. L410 | Stock No. | Description | on | | |
|------------|-------------------|-----------|-------------|------|----|-----|
| (Transisto | | 114.50 | | | | |
| Q1001 | Non Use | TR0159 | 2SD415 | | | (J) |
| Q1002 | Non Use | TR0351 | 2SC2320 | | | (J) |
| (Diode) | | | 1 | | | |
| D1001 | Non Use | TD0002 | 1N4002 | | | (J) |
| D1002 | Non Use | TD0002 | 1N4002 | | | (J) |
| (Zener) | | | | | | |
| TD1001 | Non Use | TD0085 | WZ-230 | | | (J) |
| (Capacitor |) | | | | | |
| C1001 | Non Use | CE1747 | 1000uF | 35V | E1 | (J) |
| (Resistor) | | | | | | |
| R1001 | Non Use | RS2524 | 1K | 1/2W | Rf | (J) |

Remarks

Capacitor: El....Electrolytic, Ce....Ceramic, My....Mylar, Pp....Polypropylene, Mi....Mica, St....Styrol.

Resistor: Rd.....Carbon, Rm.....Metal Film, Rf.....Flame Proof.

*In this manual the parts, which differs depending on destination and mains voltage, are classified indicated as follow:

SK, SD, EK: 220V For Europe, South East Asia.

SG,SB,EG: 240V For England, Oceania

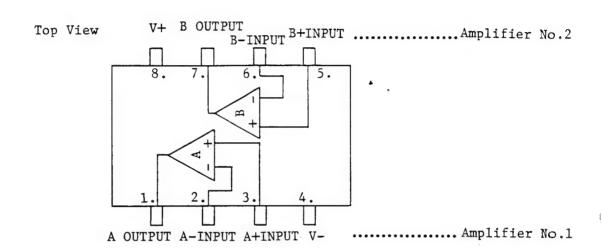
EZ,UP : 120V For Noth America, South East Asia

J : 100V For Japan

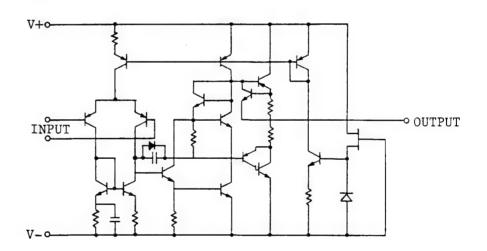
***E Type all with line voltage selector

IC Handling Guide

IC NJM4556D-H (Stock No. TC0187)
(Dual High Current Operational Amplifier)



Equivalent Circuit (1/2)



Note

Power Transistor (Complementary Pair)

L-410 (Symbol No. Q903a,b & Q904a,b)

2SC3182

2SC2706

2SA1265 c

or

2SAl146 (First Lot)

L-430 (Symbol No. Q903a,b Q905a,b Q904a,b Q906a,b)

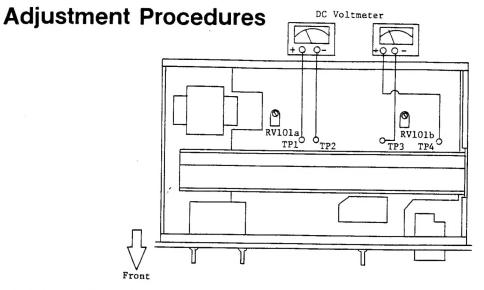
2SC3182

2SC2706

2SA1265

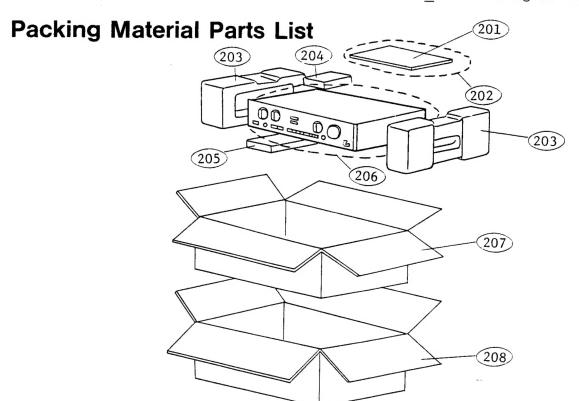
or

2SA1146 (First Lot)



Bias (Idle) Current Adjustment

- 1. Connect a DC Voltmeter in between TP1 and TP2 on L-ch and or TP4 and TP3 on R-ch, Making TP1 and TP4 positive respectively.
- 2. Adjust the RV101a and RV101b to obtain $15\,\mathrm{mV}$ \pm $5\,\mathrm{mV}$ reading on the meter.



| Symbol No. | Stock No. L-230 | Stock No. L-400 | Description |
|------------|--------------------|--------------------|---|
| 201 | ME0253-2 | MA0163 | Owner's Manual Sack, Poly Pkg, Tray Pad, Pkg Pad, Pkg Sack, Poly Carton, Pkg Carton, Bulk Pkg |
| 202 | 56B40230G21 | 56B40230G21 | |
| 203 | 56C56637F01 | 56C56637F01 | |
| 204 | 56A58581F01 | 56A58581F01 | |
| 205 | 56A57423F04 | 56A57423F04 | |
| 206 | 56B40230G23 | 56B40230G23 | |
| 207 | 56C53420F32 | 56C53420F42 | |
| 208 | 56C53420F32 | Non Use | |

1

